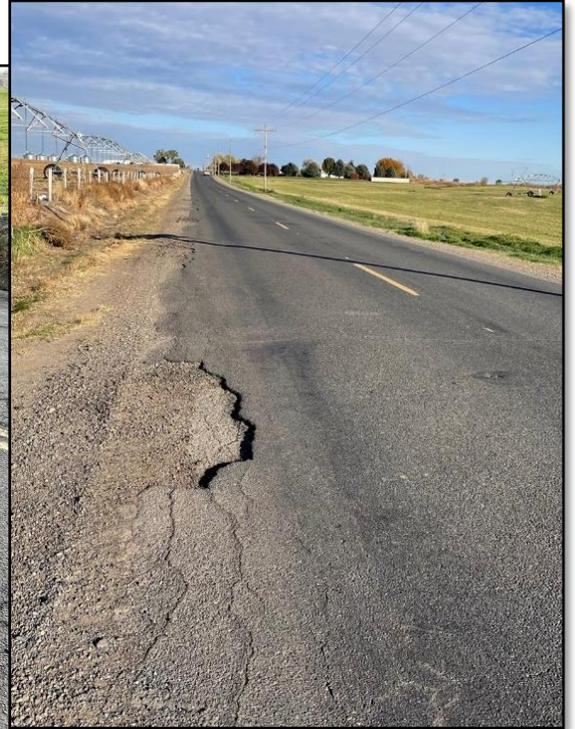
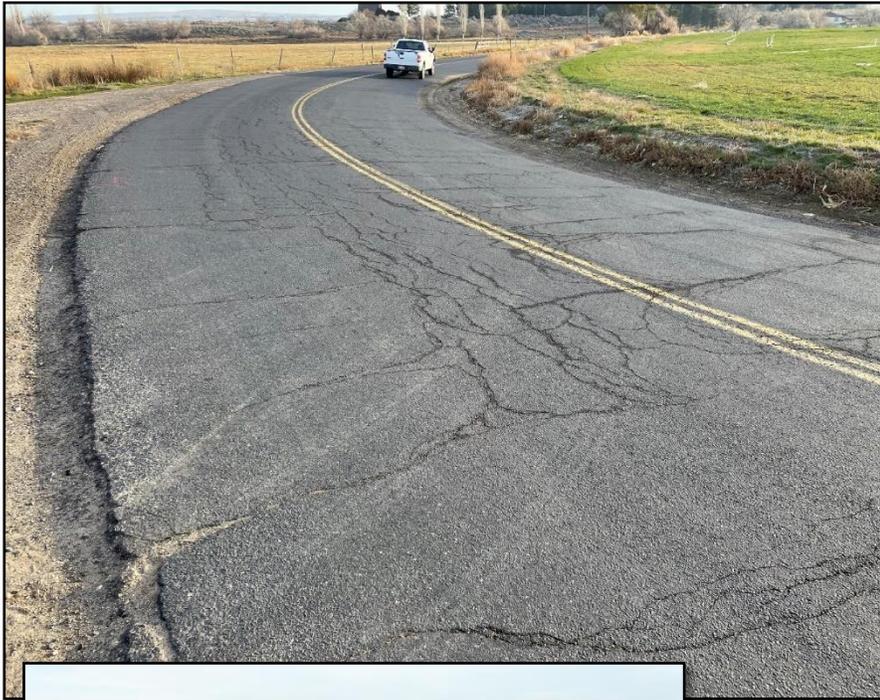


**Shoe String Road  
Gooding Highway District  
Gooding County**



**Idaho Transportation Department  
Freight Program Project Application 2021  
December 1, 2021**



***Your Safety.  
Your Mobility.  
Your Economic Opportunity.***

Projects selected for freight formula funds require a minimum of 7.73% match for interstate projects and 7.34% match for projects not on an interstate.

Submit applications via electronic means to [scott.luekenga@itd.idaho.gov](mailto:scott.luekenga@itd.idaho.gov). When transmitting the application include all supporting maps, letters and other documents, as a pdf. If the file size exceeds e-mail transmittal capabilities (15MB), submit using a thumb drive and send via FedEx/UPS delivery to the following address:

Idaho Transportation Department  
Attn: Scott Luekenga  
HQ – Highway Planning Service  
P.O. Box 7129  
Boise, Id. 83707-1129

### **Applicant Information**

Applicant: Gooding Highway District

Mailing Address: P.O. Box 266  
City: Gooding  
State: Idaho  
Zip Code: 83330

Contact person: Justin Clapp  
Title: Road Superintendent  
Phone: (208) 308-6557  
Email: [goodinghd1@gmail.com](mailto:goodinghd1@gmail.com)

Co-Applicant (if different from Applicant):

Mailing Address:  
City:  
State:  
Zip Code:

Contact Person:  
Title:  
Phone:  
Email:

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**PROJECT SPECIFICS 1 – PROJECT DETAILS**

**PROJECT SPECIFICS 2 – PROJECT COST ESTIMATE**

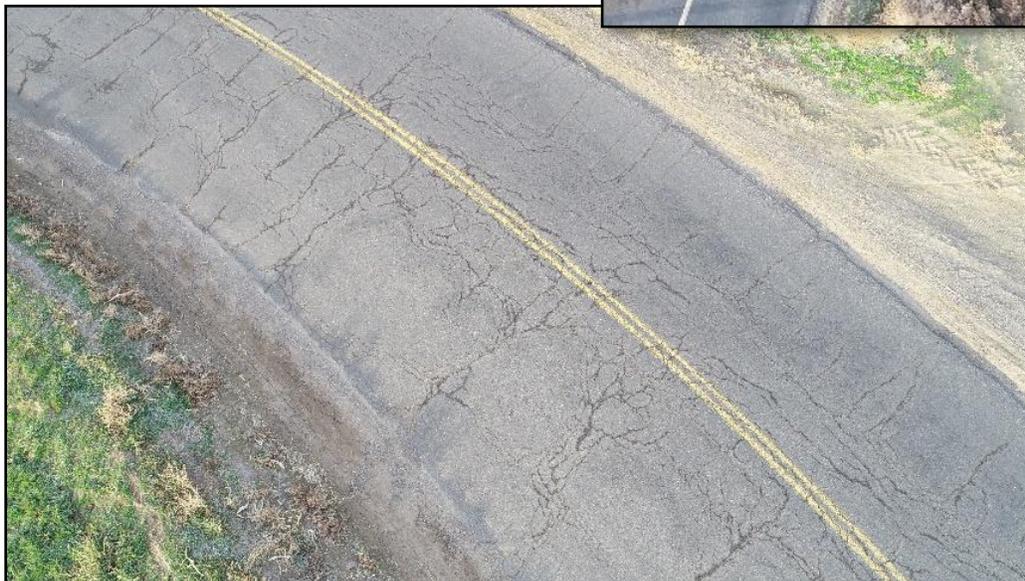
**PROJECT SPECIFICS 3 – SAFETY, ECONOMIC AND  
MOBILITY IMPROVEMENT DETAILS**

**PROJECT SPECIFICS 4 – LETTERS OF SUPPORT**

## **SHOE STRING ROAD GOODING HIGHWAY DISTRICT PROJECT DETAILS**

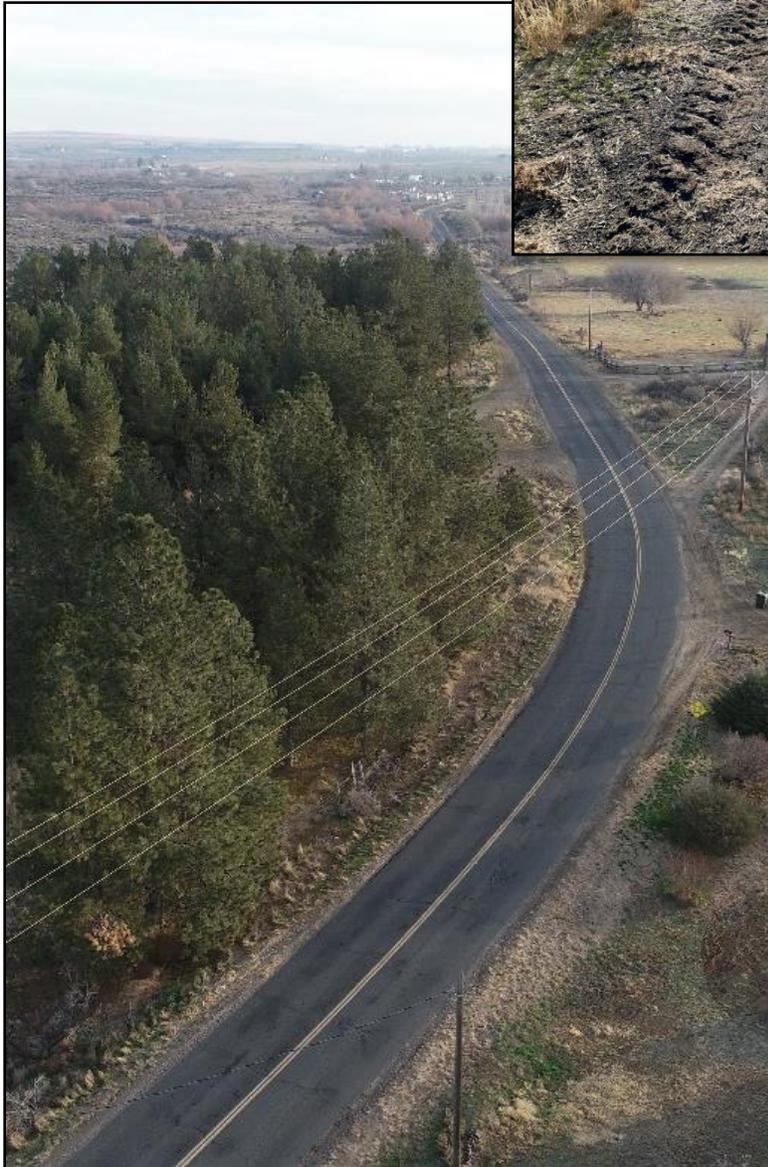
This project, sponsored by the Gooding Highway District, will rehabilitate and widen 4.4 miles of Shoe String Road (STC-2777) functionally classified as a Rural Major Collector. The rehabilitation consists of pulverizing the existing pavement, adding ¾" aggregate, performing Cement Recycled Asphalt Base Stabilization (CRABS) work to strengthen the base layer, then paving with 4.0 inches of new Plant Mix Pavement from MP 4.50 to 8.90. This rehabilitation process was detailed in the 2020 materials report by American Geotechnics.

Shoe String Road is a 6.4-mile major corridor running east-west that serves the rural farming communities of Gooding County; providing access between Interstate 84 and State Highway 46. The existing asphalt surface of this road is affected by rutting, cracking and potholes.



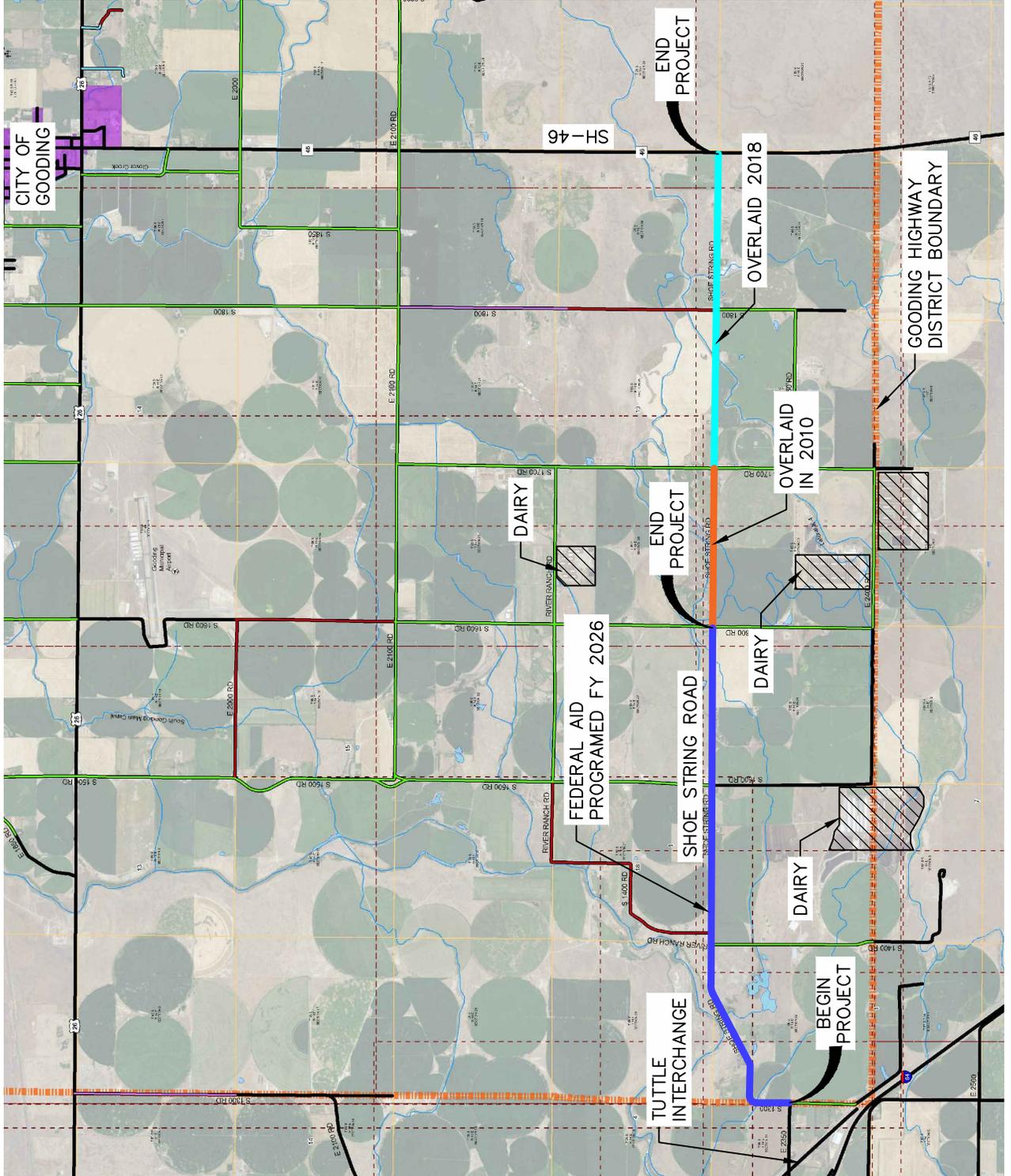
## Shoe String Road, Gooding Highway District, Gooding County

This project has already been federally funded under two different programs. One a Rural Federal-Aid construction grant for the road rehabilitation from the west district line to 1600 East Road approximately 3.4 miles, using project number A020(666). And the second a Local Highway Safety Improvement Program (LHSIP) grant to include widening the roadway from 24' to 26' by adding 2-foot shoulders from the west district line to 1700 East Road, approximately 4.4 miles using the A022(003) project. The entire project is currently in the PS&E phase.

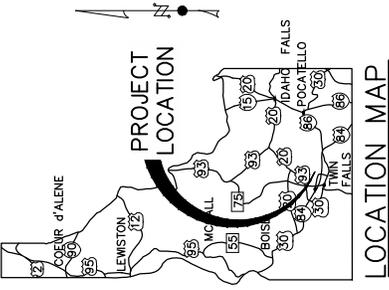


The projected project cost of construction for both A020(666) and A022(003) is currently more than the total project budget. The estimated project cost was originally \$2,662,000, and the current estimated project cost is \$3,854,000. The total annual operating budget of the Gooding Highway District is \$905,000, which is used to maintain 29 bridges and over 252 miles of roadway. The requested \$1,500,000 will be used for construction only as the design is near completion. This is the last portion of Shoe String Road to be improved in this corridor.

SHOE STRING ROAD REHABILITATION  
GOODING HIGHWAY DISTRICT  
FY 2021 ITD FREIGHT APPLICATION



VICINITY MAP



LOCATION MAP

Shoe String Road, Gooding Highway District, Gooding County

## **PROJECT SPECIFICS 2 – PROJECT COST ESTIMATE**

# SHOE STRING ROAD GOODING HIGHWAY DISTRICT COST ESTIMATE

The Shoe String Road project, sponsored by Gooding Highway District, will rehabilitate 4.4 miles of roadway with an estimated total cost of \$3,854,000.

Gooding Highway District is requesting \$1,500,000 with this application and will have a 7.34% project match of approximately \$110,000.

Below is a table that shows the difference in cost from when the project started in 2017 to the current cost due to inflation. This table also shows that there is a short fall in the budget.

Since this project is currently near the end of the design phase, this project is not expected to require any additional right-of-way than has already been identified during the design and the environmental process is complete. The amount that is being asked for is to complete the construction of this project.



Gooding Highway District is requesting a construction year of FY 2026 to align with the Shoe String Road Rehabilitation & Safety project numbers A020(666) and A022(003) that are also scheduled for FY2026. By combining these projects, it will reduce the overall cost for administration, traffic control, and mobilization.

PROJECT COST	ESTIMATED	BUDGETED
<b>CONSTRUCTION</b>	\$ 3,212,000	\$ 2,150,000
<b>CE &amp; I</b>	\$ 642,000	\$ 512,000
<b>TOTAL PROJECT COST</b>	\$ 3,854,000	\$ 2,662,000
<b>SHORT</b>		\$ 1,192,000
<b>CONTINGENCY AND</b>		\$ 308,000
<b>ESCALATION TO 2026</b>		
<b>FREIGHT REQUEST</b>		\$ 1,500,000

## Shoe String Road Gooding Highway District

Item #	Item	Quantity	Units	Unit Price	Estimated Price
203-005A	REM OF OBSTRUCTIONS	1.00	LS	\$ 5,000.00	\$ 5,000.00
205-005A	EXCAVATION	4,760.00	CY	\$ 22.00	\$ 104,720.00
205-060A	WATER FOR DUST ABATEMENT	1,350.00	MG	\$ 10.00	\$ 13,500.00
205-071A	EXCAVATION AND REPAIR FOR SOFT SPOTS	170.00	CY	\$ 60.00	\$ 10,200.00
205-080A	SHOULDER AGGREGATE	1,100.00	CY	\$ 25.00	\$ 27,500.00
205-090A	SHOULDER GRADING	8.70	MILE	\$ 3,500.00	\$ 30,450.00
212-011A	FIBER WATTLE	4,328.00	FT	\$ 3.50	\$ 15,148.00
212-105A	WATER POLLUTION AND EROSION CONTROL	10,000.00	CA	\$ 1.00	\$ 10,000.00
303-022A	3/4" AGGR TY B FOR BASE	26,900.00	TON	\$ 28.00	\$ 753,200.00
308-005A	CEM RECYCLED ASPH BASE STAB	51,500.00	SY	\$ 2.00	\$ 103,000.00
308-010A	PORTLAND CEM	450.00	TON	\$ 195.00	\$ 87,750.00
308-015A	PULVERIZE EXISTING SURF	51,500.00	SY	\$ 1.50	\$ 77,250.00
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	4,120.00	GAL	\$ 4.00	\$ 16,480.00
402-020A	EMUL ASPH FOR PRIME COAT	61.00	TON	\$ 700.00	\$ 42,700.00
402-030A	BLOTTER	260.00	TON	\$ 20.00	\$ 5,200.00
405-245A	APPROACH	59.00	EACH	\$ 1,000.00	\$ 59,000.00
405-260A	WEDGE MILLING	2,420.00	SY	\$ 10.00	\$ 24,200.00
405-435A	SUPERPAVE HMA PAV INCL ASHP&ADD CL SP-3	11,431.00	TON	\$ 100.00	\$ 1,143,100.00
616-010A	SIGNS TY B	176.00	SF	\$ 20.00	\$ 3,520.00
616-055A	BRKAWY WOOD SIGN POST TY D	0.19	MFBM	\$ 20,000.00	\$ 3,800.00
618-025A	STREET MONUMENT	9.00	EACH	\$ 1,000.00	\$ 9,000.00
621-005A	SEED BED PREPARATION	1.16	ACRE	\$ 1,200.00	\$ 1,392.00
621-010A	SEEDING	1.16	ACRE	\$ 1,800.00	\$ 2,088.00
621-035A	FERTILIZING	1.16	ACRE	\$ 800.00	\$ 928.00
621-060A	MULCH PLUS TACKIFIER	1.16	ACRE	\$ 4,000.00	\$ 4,640.00
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	1,107.00	SF	\$ 9.00	\$ 9,963.00
626-040A	CONST BARR CL B TY 3	15.00	EACH	\$ 200.00	\$ 3,000.00
626-050A	DRUMS	50.00	EACH	\$ 20.00	\$ 1,000.00
626-100B	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	7,500.00	CA	\$ 1.00	\$ 7,500.00
626-105A	TRAFFIC CONTROL MAINTENANCE	120.00	MNHR	\$ 65.00	\$ 7,800.00
626-120A	FLAGGER CONTROL	1,840.00	HR	\$ 60.00	\$ 110,400.00
626-135A	WEIGHTED BASE TUBULAR MARKERS	200.00	EACH	\$ 12.00	\$ 2,400.00
630-025A	LONGITUDINAL PAV MKG-WATERBORNE	128,604.00	FT	\$ 0.20	\$ 25,720.80
634-005A	MAILBOX	6.00	EACH	\$ 500.00	\$ 3,000.00
675-005A	SURVEY	1.00	LS	\$ 35,000.00	\$ 35,000.00
675-010A	DIRECTED SURVEYING OFFICE COMPUTATIONS	14,000.00	CA	\$ 1.00	\$ 14,000.00
677-005A	RECORD DRAWINGS	1.00	LS	\$ 7,500.00	\$ 7,500.00
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	12,500.00	CA	\$ 1.00	\$ 12,500.00
S901-05A	EARTHEN CHECK DAM	3.00	EACH	\$ 300.00	\$ 900.00
S916-05A	TEMPORARY PORTABLE TRAFFIC SIGNAL	20.00	DAY	\$ 450.00	\$ 9,000.00
A303-05A	QA - AGGR FOR BASE	37,660.00	CA	\$ 1.00	\$ 37,660.00
A405-05A	QA - PL MIX PAV	57,155.00	CA	\$ 1.00	\$ 57,155.00
A100-05A	PL MIX SMOOTHNESS	33,750.00	CA	\$ 1.00	\$ 33,750.00

Completed  
Completed

**Preliminary Engineering (5%)** \$ -  
**PE by Consultant (20%)** \$ -  
**Total Construction Cost** \$ 2,932,000.00  
**Mobilization (10%)** \$ 280,000.00  
**CE&I (20%)** \$ 642,000.00

**Total Project Cost** \$ 3,854,000.00

Shoe String Road, Gooding Highway District, Gooding County

**PROJECT SPECIFICS 3 – SAFETY, ECONOMIC AND  
MOBILITY IMPROVEMENT DETAILS**

## **SHOE STRING ROAD GOODING HIGHWAY DISTRICT SAFETY, ECONOMIC & MOBILITY IMPROVEMENT DETAILS**

The Shoe String Road project, sponsored by Gooding Highway District, is a 4.4-mile section of rural roadway that will be rehabilitated and overlaid with asphalt as well as adding gravel shoulders. The Shoe String Road Corridor is 6.4 miles, of which this project is the western 4.4 miles. The extensive transverse cracking, rutting and potholes are caused by structural deficiencies within the existing aggregate base and asphalt which cannot be mitigated by chip and crack sealing alone. Completing the CRABS along this section will complete Shoe String Road Corridor rehabilitation, ensuring a safe and smooth driving surface for freight and non-freight drivers.



### **DAILY TRAFFIC VOLUMES**

Traffic counts completed by Gooding Highway District, on September 22, 2021 through September 24, 2021 showed an ADT of 1120 vehicles per day and an AADT of 310 vehicles per day, for a total average truck percentage of 36 percent. The posted speed limit of Shoe String Road is 50 mph and there are no stops at intersections; only intersecting cross streets have stop signs at intersections with Shoe String Road. Because of this, Shoe String Road acts as a major corridor and has a much higher accident rate than the rest of the roads under the maintenance jurisdiction of the Gooding County Highway District.

Accident data provided on the Local Highway Technical Assistance Council's website reported that between 2011 and 2016 within the 4.4-mile long Shoe String Road project area there were 21 accidents, including 2 critical injury accidents and 11 lesser injury accidents. Between 2016 and 2019, the number of crashes decrease to a total of 6 reported accidents. None of these 6 were critical injury accidents. For comparison, there have been 52 accidents along the 14.2 miles of SH 46 within the District's boundary. This means there are more accidents per mile along Shoe String Road than there are along nearby SH 46, which receives higher traffic volumes.

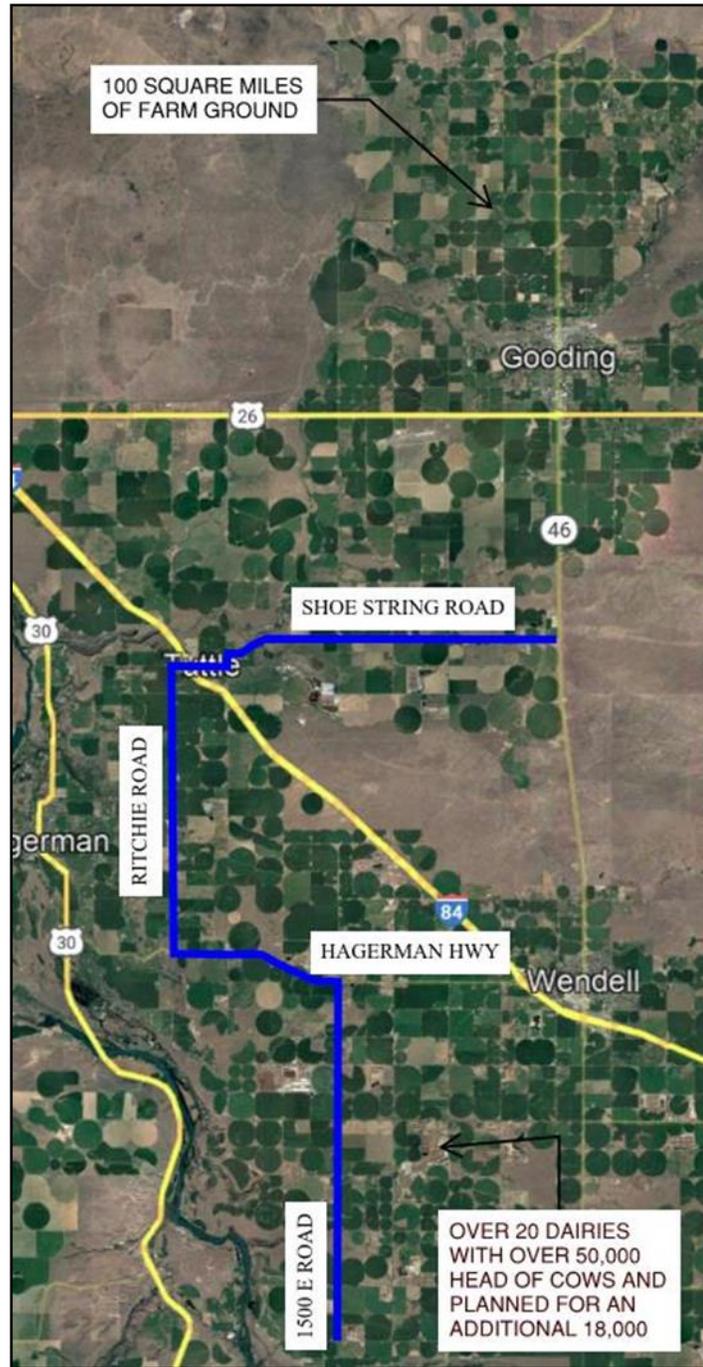


## Shoe String Road, Gooding Highway District, Gooding County

Of the 21 reported accidents, there were no multiple vehicle accidents. The vast majority of accidents were single car accidents leaving the roadway. They were caused by a number of factors including inattentiveness, driving too fast for conditions, trouble negotiating curves, over correcting minor errors, alcohol impairment, and animals within the roadway. All of these driving errors are aided by the proposed improvements of shoulder widening and edge-line striping. The edge-line striping is intended to help drivers maintain their lanes and negotiate curves. It is anticipated that rehabilitation of the asphalt surface, widening the roadway to 26 feet, and shoulder widening improvements will help mitigate the accident severity and help vehicles regain control when leaving the asphalt surface. The combined Crash Reduction Factors of all of the improvements is 59%. The total cost benefit ratio of the project is 3.2:1.

### DIRECT ECONOMIC IMPACT

Shoe String Road is the major corridor running east-west that serves the rural farming communities of Gooding County. Corn fields that produce silage, which feed dairy cows, are located in northern Gooding County and the dairies are primarily located in southern Gooding County. Freight trucks haul feed southbound to the dairies. They also haul manure northward back to the fields for application. All this hauling happens daily along the Gooding County Corridor. The established freight route within Gooding County begins with Shoe String Road which connects with State Highway 46 and the northern part of Gooding County runs westward to Ritchie Road that moves the freight southbound to the Hagerman Highway and 1500 East Road that is the most direct access to the many dairies. Currently, there are approximately 50,000 to 60,000 dairy cows with an additional 18,000 head of cows planned in the next two years increasing the freight along the Gooding County Corridor.



## Shoe String Road, Gooding Highway District, Gooding County

In an effort to save time and avoid traffic through the town of Wendell on SH 46, trucks use Shoe String Road and this freight route. Due to the high truck traffic on Shoe String Road, it is important that the road is in good condition. Accidents involving trucks cause more serious injuries and trucks in particular require a smooth driving surface for safe travel as many are top heavy and can be affected more greatly by roadway surface deficiencies than smaller passenger cars. By rehabilitating and widening the shoulders of Shoe String Road, trucks will be able to maintain the 50 mph speed limit along this roadway as well as the increased safety by wider shoulders.



Shoe String Road is not listed on the National Highway Freight Network and is not currently listed as one of Idaho's critical rural freight corridors. Gooding Highway District is highly recommending that Shoe String Road be included on the list given the importance of agriculture freight in this rural area.



Shoe String Road, Gooding Highway District, Gooding County

## **PROJECT SPECIFICS 4 – LETTERS OF SUPPORT**

DUTCH GIRL® PEARL ONIONS  
DUTCH BOILER® ONIONS

ONION SETS  
SPECIALTY ITEMS



*"Onions of every size for every purpose"*

November 30, 2021

To Whom It May Concern:

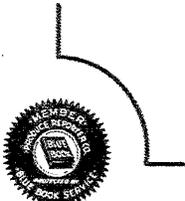
Magic Valley Growers, Ltd. has been operating in Gooding County since 1983. We grow several acres of onions, potatoes, corn, alfalfa, and wheat. Currently, Shoestring Road is one of the main roads we use for transporting our crops and it is in desperate need of repair.

The Gooding Highway District has been very helpful to us over the years, and we highly commend their professionalism and willingness to work with us on numerous projects.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Clements", is written over a large, stylized, light-colored scribble.

Mike Clements, Vice-President





430 East Yakima, Jerome, ID 83338

Tel: (208) 934-9072

Fax: (208) 934-9066

[office@bigskydairy.com](mailto:office@bigskydairy.com)

November 30, 2021

To Whom it May Concern,

Big Sky Dairy appreciates the hard work and integrity of the Gooding Highway District. In our business, it is vital that trucks are able to get in and out of the dairy year-round, 24/7. Gooding Highway District keeps the roads well maintained. We support their grant requests. If you have any questions, please contact Marty Tolle at 208-731-1353.

Sincerely,

A handwritten signature in blue ink that reads "Jonica Somerset".

Jonica Somerset  
CFO



Hatfield Manufacturing Inc.  
1823 Shoestring Road  
Gooding, ID 83330  
208-934-5182 Phone  
208-934-8892 Fax

---

Date: November 30, 2021

Gooding Highway District  
234 2<sup>nd</sup> Ave W  
Gooding, ID 83330

To whom it may concern,

We have always had a good relationship with Gooding Highway District, and greatly appreciate them and their hard work keeping our roads in good condition. Our business relies heavily on our ability to ship and receive products. The proposed improvements to Shoestring Road will allow us to better access I-84 and help our company continue to grow.

Sincerely,

David W. Hatfield  
President  
Hatfield Manufacturing Inc.  
1823 Shoestring Rd.  
Gooding, ID 83330